



सत्यमेव जयते

Ministry of New and Renewable Energy  
Government of India



**Three Days National Training Programme on**

*Power generation through Renewable Energy (Special focus of Bioenergy)*

**(18 - 20 April 2022)**

**(Offline and Online Mode)**



**Organized by**

**Sardar Swaran Singh National Institute of Bio-Energy,**

**(An Autonomous Institution of Ministry of New & Renewable Energy, Govt. of India)**

**Jalandhar-Kapurthala Road, Wadala Kalan**

**Kapurthala 144601 (Punjab)**

## About SSS-NIBE

Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE) is an autonomous Institution of the Ministry of New and Renewable Energy, Govt. of India. The vision of the Institute is to carry out state-of-the-art research and development, demonstration, testing and standardization activities, including human resource development at all levels, post-doctoral research and research for wide promotion of bioenergy in the country. SSS-NIBE is located in the state of Punjab on Jalandhar-Kapurthala Road, 18 km away from Jalandhar city towards Kapurthala. The Institute is located in between Punjab Technical University and Pushpa Gujral Science City. Jalandhar city is well connected by airways, railways and roadways with the nearest airport at Adampur and Amritsar.

## Background

The Ministry of New and Renewable Energy (MNRE) has been supporting programmes for promoting renewable energy with a target of 175 GW power generation by 2022. Trained human resources are therefore inevitably required for all sectors of working including solar, wind, bioenergy, off-grid and grid power generation and biofuels for transport applications. Off grid applications through solar, hybrid systems of wind and biomass, waste for energy are also emerging as potential area not only for energy requirement but also for achieving sustainable development by mitigating climate change. Thus, there is a strong need to take up research and initiatives for technology development and demonstration to integrate renewable energy for various applications and sustainable development. The institute, being a research institute in Bio Energy is addressing the issues by developing technology and validating it in integrated manner as potential source of energy and for sustainable energy.

## Learning Objective

The main objective of the national training programme is to introduce the importance and various applications of renewable energy including solar, wind and bioenergy, characterization of biomass and assessment, biomass gasification, fundamentals of solar, wind and biomass power generation, off-grid and grid power generation, waste utilization for energy production, financing for industrial projects and techno-economics for renewable energy projects and its utilization, including various policy issues to be addressed by various experts and Govt Officers.

## Organizing Committee

Chairman: Shri Dinesh Dayanand Jagdale, Director General, SSS-NIBE & Joint Secretary, MNRE

Convener: Dr. Anil Kumar Sarma, Scientist E, SSS-NIBE  
Dr. Sachin Kumar, Scientist C, SSS-NIBE

Coordinator: Dr. Nikhil Gakkhar, Scientist C, SSS-NIBE

## Key note lectures

The key note lectures on the relevant topics will be delivered by the invited experts from R&D/Academic/Financing Institutions, Ministry, Industries and Scientists of the institutes.

## Themes

- ✓ Applications of solar, wind, biomass and biogas
- ✓ Biomass characterization and resource assessment
- ✓ Biomass gasification
- ✓ Solar-Wind-Biomass Hybrid systems
- ✓ Renewable Energy for Commercial Applications
- ✓ Solar, wind, mini and micro hydro projects, energy storage.
- ✓ Field Experiences/ Success Stories
- ✓ Investment Opportunities in Renewable sector
- ✓ Site visit for industrial exposure (SPV plant/ Bioenergy plant)

During the training programme, focus will be given on combination of lectures and practical sessions, including lab visits. Knowledge sharing with group discussions, interactions with experts, workshops, hands on training, case studies, etc. will be encouraged.

## Target Audience

SNDs/SNAs/ BDTCS/ KVIC, Manufacturers of Bioenergy, wind and solar systems, Project Developers, Implementers, Consultants, Faculty, Researchers and students are welcome to participate in the training program.

The program would be organized in both the modes: **physical and virtual**. Only **15 seats** are available for physical training but no limitation for virtual. The physical seats will be filled on the first come first serve basis. The interested candidates may apply on the Online Form available at website of the institute ([www.nibe.res.in](http://www.nibe.res.in))

**Physical mode of training would include Institute's lab visit, demonstration of solar, wind and bioenergy equipments and one day visit to Bioenergy/Solar power plant in nearby location.**

## Important Dates

Last date of Registration (online): April 15, 2022  
Date of Training: April 18-20, 2022

## Training Fees (per participant)

Industry sponsored, stakeholders, Industry expertise, Entrepreneur, etc	Rs 10,000 + 18% GST
Government organization, (SNA, PSU, Academic Institutes, etc)	Rs 8,000 + 18% GST
Students (Research Scholar, JRF/SRF/ PhD/PG/UG etc.)	Rs 5,000 + 18% GST
<b>Virtual Training (Online)</b> All Categories	Rs 5,000 + 18% GST

## Payment Gateway

Participants are requested to make the payment through online mode only (RTGS/NEFT/Net banking):

Account details are as follows:

ACCOUNT HOLDER NAME	SARDAR SWARAN SINGH NATIONAL INSTITUTE OF RENEWABLE ENERGY (SSS NIRE)
ACCOUNT TYPE	SAVING ACCOUNT
BANK NAME	CANARA BANK, NIT JALANDHAR BRANCH
ACCOUNT NO	2945101004798
IFSC Code :-	CNRB0002945

### Terms and Conditions for the training programme

- The registration fees is non refundable.
- Accommodation will be on first come first serve basis and subject to the availability.
- Only participants (no accompanied person) will be allowed to stay in hostel.
- No request will be entertained for the stay in hostels before check in time and after check out time.
- No travelling allowance will be paid for reaching the programme venue.
- The participants will have to be regular and punctual, during the training period.
- Attendance is compulsory and certificate will be issued on successful completion of training programme subject to 100% attendance.
- In the event of any disputes arising, the decision of Director General, SSS-NIBE is final and is binding on the participants
- **The COVID-19 directives of Government of India will be adhered to for physical training.**

### How to apply

The applications are invited in **Online Mode** only. The interested candidates may need to fill the Google Form and upload the payment details along with the application.

### Contact Details

For queries related to training programme, you may contact

- a) Dr. Nikhil Gakkhar, Scientist C, SSS-NIBE  
E-mail: [nikhil.mnre@gmail.com](mailto:nikhil.mnre@gmail.com) Website: [www.nibe.res.in](http://www.nibe.res.in)  
Phone No. 01822-507417; 9818834416 (M)
- b) Dr. Sachin Kumar, Deputy Director, SSS-NIBE  
E-mail: [sachin.biotech@gmail.com](mailto:sachin.biotech@gmail.com) Website: [www.nibe.res.in](http://www.nibe.res.in)  
Phone No. 01822-507415/ 416; 09988864647/ 7009127569 (M); Fax No. 01822-255545